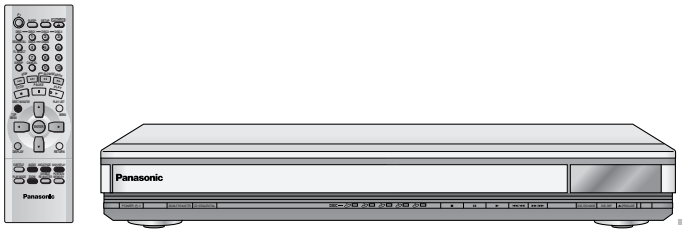


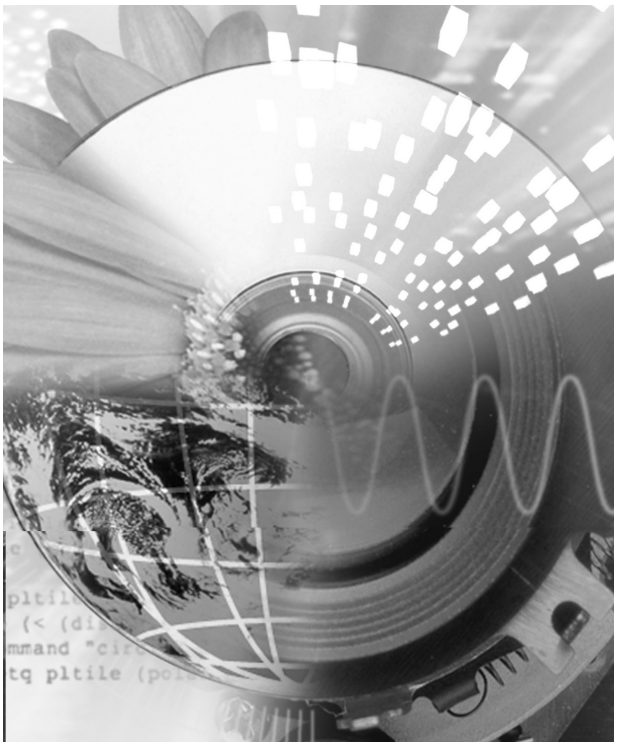
The illustration shows the unit for U.S.A. and Canada.

Panasonic®

DVD/CD PLAYER

Operating Instructions

Model No. **DVD-F65/DVD-F61**



Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

DVD AUDIO / VIDEO

COMPACT disc DIGITAL VIDEO

For U.S.A.

energy

IMPORTANT SAFETY INSTRUCTIONS 3
Control reference guide 3
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Connection 4
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Basic play 8
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(Spanish Quick Reference)
Glossary . . . . . **Back cover**
Specifications . . . . . **Back cover**

The warranty for the U.S.A. is on page 22.

En la página 23 hay una guía de referencia rápida en español.

CAUTION!

THIS PRODUCT UTILIZE
USE OF CONTROLS OR
PERFORMANCE OF PR
THOSE SPECIFIED HER
HAZARDOUS RADIATIO
DO NOT OPEN COVERS
YOURSELF. REFER SE
PERSONNEL.

WARNING:

TO REDUCE THE R
SHOCK OR PRODU
EXPOSE THIS APP
MOISTURE, DRIPP
THAT NO OBJECTS
SUCH AS VASES, S
THE APPARATUS.

CAUTION!

- **DO NOT INSTALL OR**
  BOOKCASE, BUILT-IN
  CONFINED SPACE. E
  VENTILATED. TO PRE
  SHOCK OR FIRE HAZ
  ENSURE THAT CURTA
  MATERIALS DO NOT
  VENTS.
- **DO NOT OBSTRUCT**
  OPENINGS WITH NEV
  TAINS, AND SIMI
- **DO NOT PLACE SOU**
  H AS LIGHTED C
- **DISPOSE OF BATTER**
  FRIENDLY MANNER.

LASER RADIATION WHEN OPEN.
DO NOT STARE INTO BEAM.
VISIBLE AND INVISIBLE LASER RADIA
AVOID EXPOSURE TO BEAM.
SYNLIG OCH OSYNLIG LASERSTRÅLN
ÖPPNAD. BETRAKTA EJ STRÅLEN.
SYNLIG OG USYNLIG LASERSTRÅLIN
UNDGÅ UDSÆTTELSE FOR STRÅLING
SYNLIG OG USYNLIG LASERSTRÅLIN
UNNGÅ EKSPONERING FOR STRÅLEN
TTAESSA OLET ALTTIINA NÄKYVÄ
ERSÄTEILYLLE. ÄLÄ KATSO SÄT
TBARE UND UNSICHTBARE LASE
CKUNG GEÖFFNET. NICHT DE
NNEMENT LASER VISIBLE ET IN
ERTURE. EXPOSITION DANGE
ここを開くと可視及び不可視レー

Units for Asia
THIS UNIT IS INTENDED FOR USE IN TROPICAL CLIMATES.

Units for Australia and N.Z.
THIS UNIT IS INTENDED FOR USE IN MODERATE CLIMATES.

This product may receive radio interference caused by mobile telephones during use. If such interference is apparent, please increase separation between the product and the mobile telephone.

User memo:

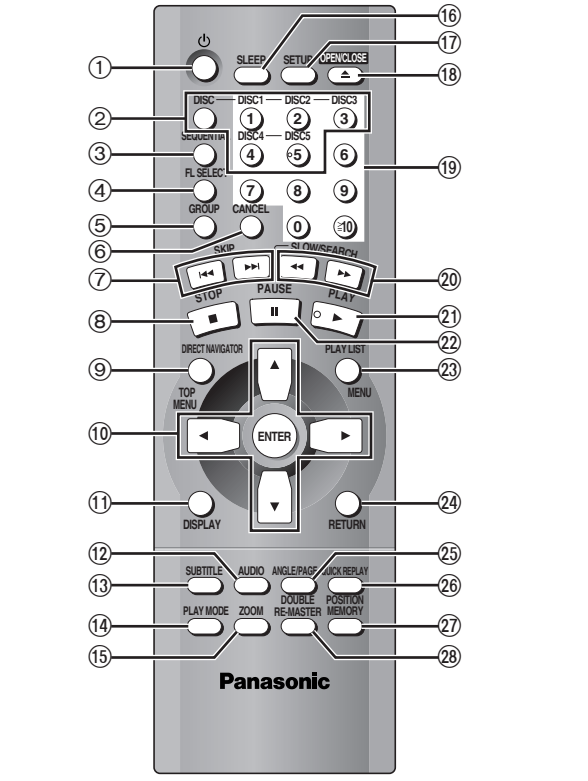
IMPORTANT SAFETY INSTRUCTIONS

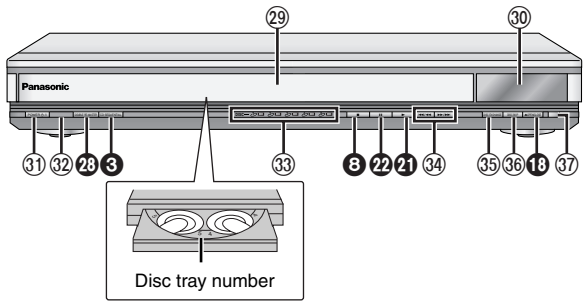
Read these operating instructions carefully before using the unit. Follow the safety instructions on the unit and the applicable safety instructions listed below. Keep these operating instructions handy for future reference.

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Control reference guide

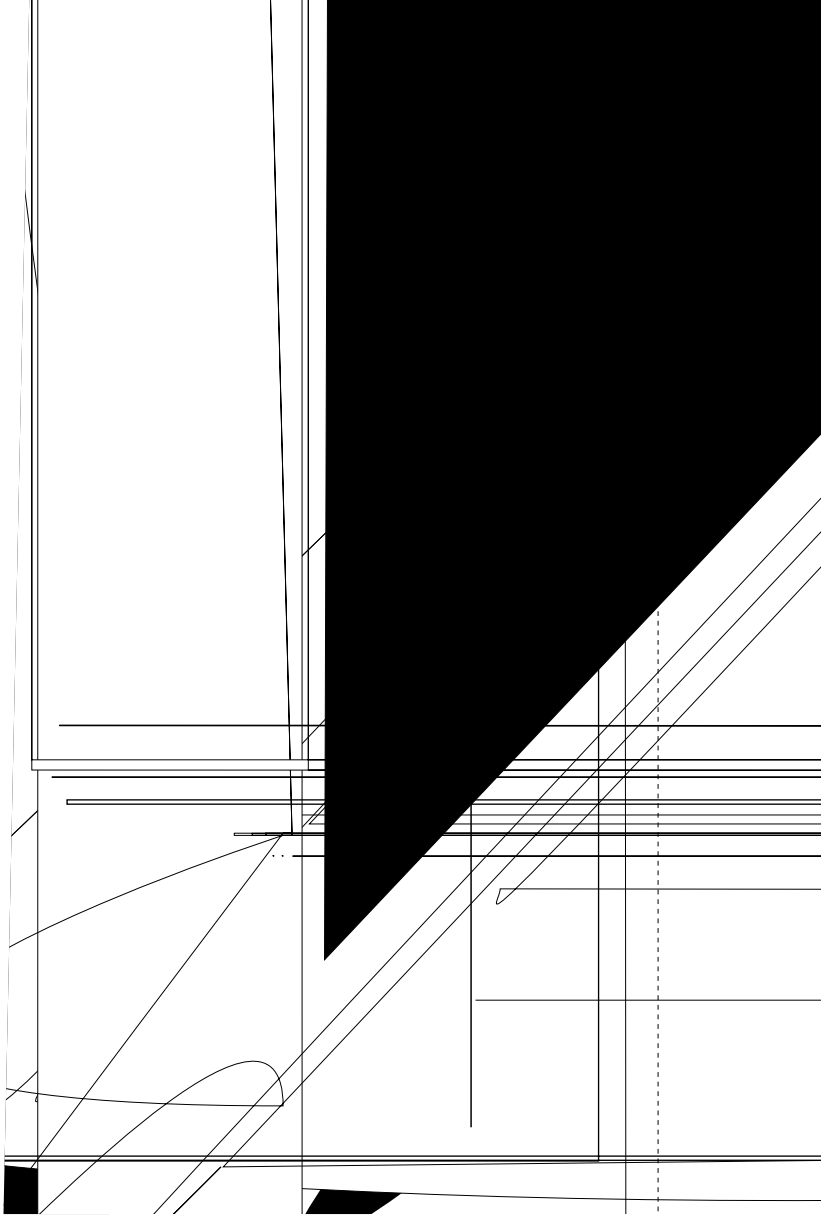




- Buttons such as ❸ function the same as those on the remote control.
- The actual marking of the standby/on switch depends on the area. Illustrations in these operating instructions use the markings shown in the above illustration.

Page

① **Standby/on button (⏻)** 7
② **Disc select button (DISC), Disc buttons (DISC 1–DISC 5)** 9
③ **Sequential button (SEQUENTIAL)** 9
④ **FL select button (FL SELECT)** 9
⑤ **Group button (GROUP)** 9
⑥ **Cancel button (CANCEL)** 14
⑦ **Skip buttons (⏮, ⏭ SKIP)** 8
⑧ **Stop button (■ STOP)** 8
⑨ **Top menu, Direct navigator button (TOP MENU, DIRECT NAVIGATOR)** 8, 11
⑩ **Cursor buttons (▲, ▼, ◀, ▶), Enter button (ENTER)** 7
⑪ **Display button (DISPLAY)** 15
⑫ **Audio button (AUDIO)** 12
⑬ **Subtitle button (SUBTITLE)** 12
⑭ **Play mode button (PLAY MODE)** 14
⑮ **Zoom button (ZOOM)** 13
⑯ **Sleep button (SLEEP)** 13
⑰ **Setup button (SETUP)** 7, 19
⑱ **Drawer open/close button (⏏ OPEN/CLOSE)** 8
⑲ **Numbered buttons (1–9, 0, ≧10)** 9
⑳ **Slow/Search buttons (◀◀, ▶▶ SLOW/SEARCH)** 8
㉑ **Play button (▶ PLAY)** 8
㉒ **Pause button (❚❚ PAUSE)** 8
㉓ **Menu, Play list button (MENU, PLAY LIST)** 8, 11
㉔ **Return button (RETURN)** 7
㉕ **Angle/page button (ANGLE/PAGE)** 12, 13
㉖ **Quick replay button (QUICK REPLAY)** 9
㉗ **Position memory button (POSITION MEMORY)** 9
㉘ **Double re-master button (DOUBLE RE-MASTER)** 13
㉙ **Drawer** 8
㉚ **FL Display** 9
㉛ **Standby/on switch (⏻/I)** 7
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
㉜ **Units sold outside the U.S.A. and Canada**
Standby indicator (⏻)
When the unit is connected to the AC mains supply, this indicator lights up in standby mode and goes out when the unit is turned on.
㉝ **Disc indicators (DISC 1–5)** 8
㉞ **Skip, Search buttons (⏮/◀◀, ▶▶/⏭)** 8
㉟ **Disc exchange button (DISC EXCHANGE)** 9
㊱ **Disc skip button (DISC SKIP)** 8
㊲ **Remote control signal sensor**



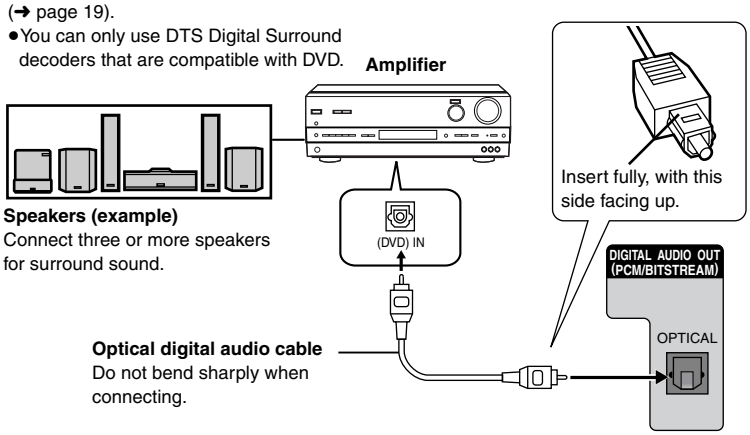
Home Theater – Enjoying more powerful sound

Enjoy the powerful movie theater and hall-like sound available with multiple channel audio found on DVDs by connecting an amplifier and speakers.

A Digital connection

To enjoy multi-channel surround sound
Connect an amplifier with a built-in decoder or a decoder-amplifier combination.
Change the settings in “Digital output” (➜ page 19).
- You can only use DTS Digital Surround decoders that are compatible with DVD.

To enjoy stereo or Dolby Pro Logic
Connect a digital amplifier or system component.
Change the settings in “Digital output” (➜ page 19).

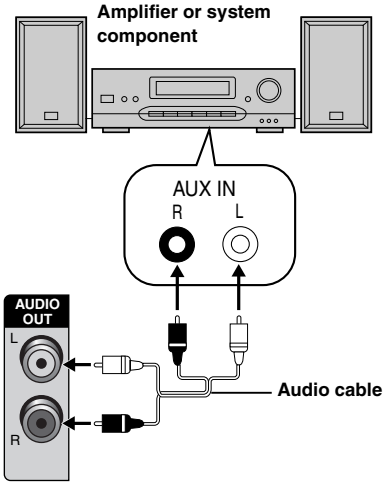


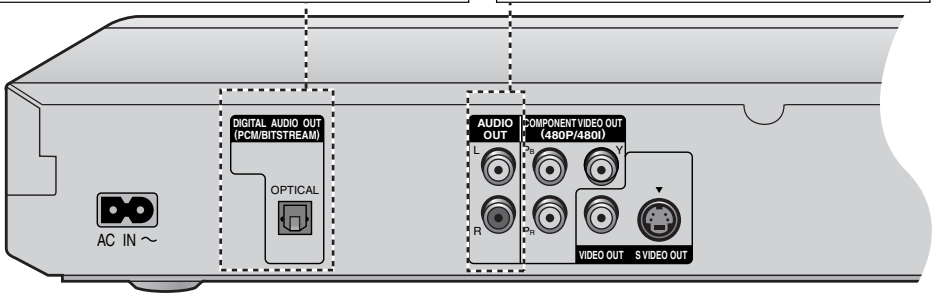
Speakers (example)
Connect three or more speakers for surround sound.

Optical digital audio cable
Do not bend sharply when connecting.

B Analog connection

To enjoy stereo or Dolby Pro Logic
Connect an analog amplifier or system component.





■ Recording Output

Digital recording ➜ Connection A to digital recording equipment

- With DVD, the following conditions must be met: ⓐ the disc doesn’t have protection preventing digital recording, and ⓑ the recording equipment can handle signals with a sampling frequency of 48 kHz.
- You cannot record WMA/MP3.

When recording DVDs, make the following settings.
–Advanced surround: OFF (➜ page 17)
–PCM Down Conversion: Yes (➜ page 19)
–Dolby Digital/DTS Digital Surround/MPEG*: PCM (➜ page 19)
*MPEG: Units for Australia and N.Z.

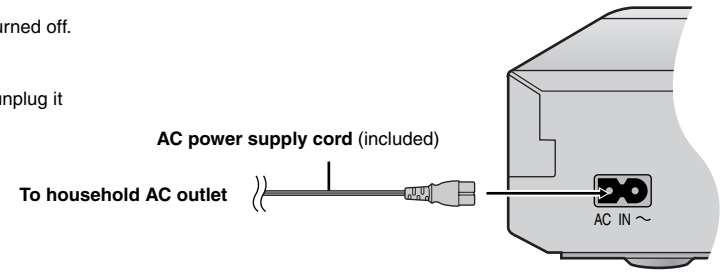
Analog recording ➜ Connection B to a cassette deck or other recording equipment

There are no limitations on recording analog signals as there are with digital signals.

Power connection

Conserving power

This unit consumes a small amount of power, even when it is turned off.
U.S.A. and Canada : approx. 0.6 W
Other areas : approx. 2.8 W
To save power when the unit is not to be used for a long time, unplug it from the household AC outlet.



■ Discs that can be played

DVD-RAM	DVD-Audio	DVD-Video	DVD-R	SVCD	Video CD	CD	CD-R/RW
Shown as "DVD-VR" on the display				Conforming to IEC62107			–
RAM	DVD-A	DVD-V		VCD		CD	WMA※ MP3 JPEG※

※**DVD-F61 is not compatible with WMA, JPEG, or HighMAT. References to them apply only to DVD-F65.**

Use discs with the above logos and that conform to specifications. The unit cannot play other discs correctly. Do not use irregularly shaped discs (e.g. heart-shaped), as these can damage the unit.

It may not be possible to play CD-R, CD-RW, DVD-R and DVD-RAM in all cases due to the type of disc or condition of the recording.

■ Discs that cannot be played

DVD-ROM, CD-ROM, CDV, CD-G, +RW, DVD-RW, CVD, SACD, Divx Video Discs, Photo CD, DVD-RAM that cannot be removed from their cartridge, 2.6-GB and 5.2-GB DVD-RAM, and "Chaoji VCD" available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.

■ Region number

The player plays DVD-Video marked with labels containing the region number or "**ALL**".

Region	Number	Example
U.S.A. and Canada	**1**	1 ALL 1 2 4
Asia	**3**	3 ALL 2 3 6
Australia and N.Z.	**4**	4 ALL 2 4 6

■ Built-in decoders

This unit has Dolby Digital and DTS decoders so you can enjoy these systems in stereo without connecting a separate decoder.

■ Video systems

Units for Asia, Australia and N.Z.:

- This unit can play PAL and NTSC, but your television must match the system used on the disc.
- PAL discs cannot be correctly viewed on an NTSC television.
- This unit can convert NTSC signals to PAL 60 for viewing on a PAL television (➜ page 18, Video—NTSC Disc Output).
- Output is interlace (576I) when playing PAL discs.

Units for the U.S.A. and Canada:

NTSC is used. This unit converts still pictures on PAL system DVD-Audio discs for play on NTSC video systems. The picture is compressed to show it in its entirety, but this may cause it to be stretched vertically.

■ Playing DVDs and Video CDs

The producer of these discs can control how they are played so you may not always be able to control play as described in these operating instructions (for example if the play time is not displayed or if a Video CD has menus). Read the disc's instructions carefully.

■ DVD-RAM discs

The DVD-RAM you can play on this unit are those recorded with DVD video recorders, DVD video cameras, personal computers, etc. using Version 1.1 of the Video Recording Format (a unified video recording standard).

- Remove discs from their cartridges before use and return them when you are finished, making sure that the labels of the disc and cartridge face the same way.
- Some parts of the disc, for example where one program ends and another begins, may not play smoothly.

■ DVD-R discs

Panasonic DVD-R recorded and finalized on a Panasonic DVD video recorder or DVD video camera are played as DVD-Video on this unit.

■ CD-R and CD-RW discs

This unit can play CD-R/RW (audio recording disc) recorded with CD-DA, video CD, SVCD (conforming to IEC62107), WMA, MP3, or JPEG. Close the session or finalize after recording.

See page 11 for more information about WMA, MP3, and JPEG.

■ HighMAT discs

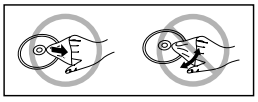
This unit is compatible with HighMAT discs containing WMA, MP3, and/or JPEG files.

■ Disc structure

Disc structure and the labels given to the items on discs depend on the disc type.

Track: the smallest division on DVD-Audio, CDs, and Video CDs, or a single WMA/MP3 file.
Chapter: the smallest division on DVD-Video.
Group: collections of tracks on DVD-Audio and equivalent to folders or albums on data discs.
Title: the largest division on DVD-Video, usually an entire movie.
Program: the division on DVD-RAM equivalent to a single recording.
Picture: a single JPEG file.
Play list: the largest grouping on a HighMAT disc, or a group of scenes on DVD-RAM.
Scene: DVD-RAM program sections specified and grouped into play lists on a DVD video recorder.
Content: covers tracks and pictures on HighMAT discs.

■ To clean discs



DVD-Audio, DVD-Video, Video CD, CD

Wipe with a damp cloth and then wipe dry.

DVD-RAM, DVD-R

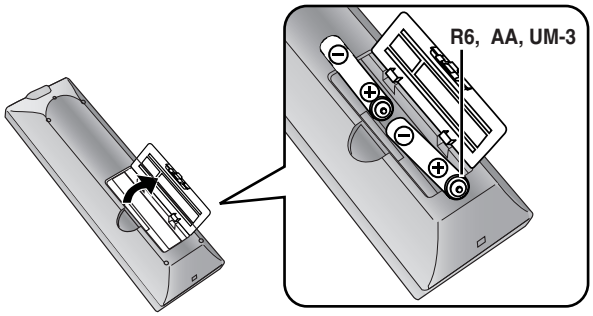
- Clean only with an optional DVD-RAM/PD disc cleaner (LF-K200DCA1, where available).
- Never use cloths or cleaners for CDs etc.

■ Handling precautions

- Do not write on the label side with a ball-point pen or other writing instrument.
- Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or any other solvent.
- Do not attach labels or stickers to discs. (Do not use discs with exposed adhesive from tape or left over peeled-off stickers.)
- Do not use scratch-proof protectors or covers.
- Do not use discs printed with label printers available on the market.

The remote control

■ Batteries



- Insert so the poles (+ and −) match those in the remote control.
- Do not use rechargeable type batteries.

Do not:
- mix old and new batteries.
- use different types at the same time.
- heat or expose to flame.
- take apart or short circuit.
- attempt to recharge alkaline or manganese batteries.
- use batteries if the covering has been peeled off.

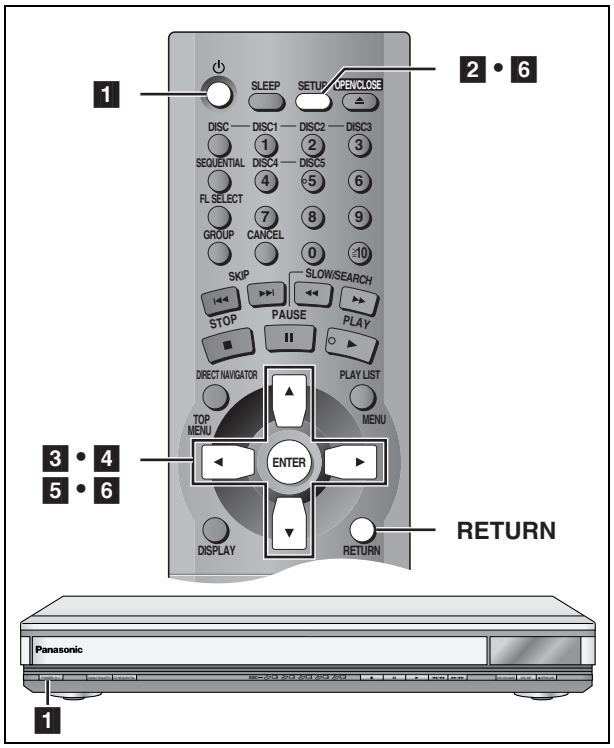
Mishandling of batteries can cause electrolyte leakage which can damage items the fluid contacts and may cause a fire.

Remove if the remote control is not going to be used for a long period of time. Store in a cool, dark place.

■ Use

Aim at the sensor (➜ page 3, Control reference guide), avoiding obstacles, at a maximum range of 7 m (23 feet) directly in front of the unit.

Quick setup



The **QUICK SETUP screen** appears when you press [SETUP] the first time after purchase and assists you to make necessary settings.

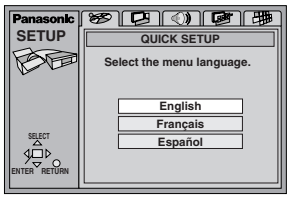
Preparation

Turn on the television and select the appropriate video input on the television to suit the connections for the player.

1 Press [⏻] to turn on the unit.

2 Press [SETUP] to show the QUICK SETUP screen.

e.g. Units for U.S.A. and Canada



3 Press [▲, ▼, ◄, ►] to select the menu language and press [ENTER].

4 Press [▲, ▼] to select "Yes" to continue and press [ENTER].

5 Press [▲, ▼, ◄, ►] to select the item and press [ENTER].
- Audio Language (➜ page 18)
- Subtitle Language (➜ page 18)
- TV Aspect (➜ below)
- Progressive Out (➜ page 18)

6 Press [ENTER] and then [SETUP] to end the settings.

To return to the previous screen

Press [RETURN].

To access this screen again later

➜ page 18, Others—QUICK SETUP

■ TV Aspect

Select **"4:3"** (regular) or **"16:9"** (widescreen) to suit your television.

If you have a regular 4:3 television, you can also select how video on some discs is shown (➜ page 18, Video—TV Aspect).

●4:3 Pan&Scan (Factory preset)

Widescreen software is expanded to fill the screen of a 4:3 aspect television (unless prohibited by the producer of the disc).

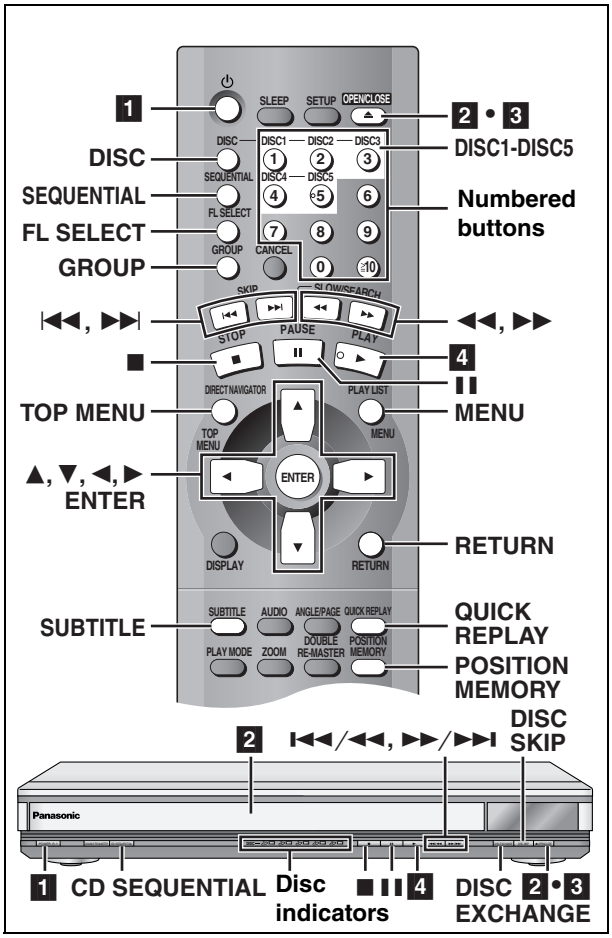
●4:3 Letterbox

Widescreen software is shown in the letterbox style on a 4:3 aspect television.

■ To enjoy progressive video

1. Connect to the component video input terminals on a 480P compatible television. (Video will not be displayed correctly if connected to an incompatible television.)
2. In QUICK SETUP, set "Progressive Out" to "Enable".
3. Change Video output mode to "480P" (➜ page 17).

- All televisions manufactured by Panasonic and that have 480P input connectors are compatible. Consult the manufacturer if you have another brand of television.
- If the unit is connected to the television through VIDEO OUT or S VIDEO OUT, output will be interlace, irrespective of the settings.



Preparation

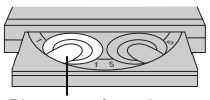
Turn on the television and select the appropriate video input on the television to suit the connections for the player.

1 Press [⏻] to turn on the unit.

2 Press [⏏] to open the drawer and place the disc(s) label-up on the disc tray(s).

To load discs on the other trays, press [DISC SKIP] on the main unit.

- **If the disc contains both audio data (WMA and MP3) and JPEG,** check "Mixed Disc—Audio & Stills" setting in the SETUP menu (➜ page 18). Select "Stills (JPEG)" or "Audio (MP3/WMA)".
- Load double-sided discs so the label for the side you want to play is facing up.



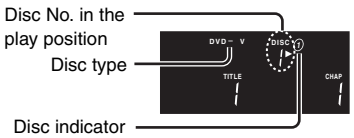
Play starts from the disc in the front-left position.

3 Press [⏏] to close the drawer.

A disc indicator lights to show a disc is on the tray.

4 Press [▶] (PLAY).

Play begins. It is normal for sound and pictures to take time to start.



CD (CD text only) WMA MP3

Track information appears on the television. Press [SUBTITLE] to turn the display on or off.

When the disc finishes playing

If the next disc doesn't start playing, select the disc using the disc type screen (➜ page 9).

Stop	Press [■]. "▷" flashes on the display. Press [▶] (PLAY) to restart from this position or [■] to clear it. DVD-Video: Press [▶] (PLAY) again to review chapters (➜ page 9).
Pause	Press [❚❚]. Press [▶] (PLAY) to restart.
Skip	Press [|◀◀] (backward) or [▶▶|] (forward). **Group skip** JPEG Press [▼] (backward) or [▲] (forward). **Disc skip** Press [DISC SKIP] on the main unit.
Search	Press [◀◀] (backward) or [▶▶] (forward). Press [▶] (PLAY) to restart.
Slow-motion	While paused, press [◀◀] (backward) or [▶▶] (forward). Press [▶] (PLAY) to restart.
Frame-by-frame	While paused, press [◀] (backward) or [▶] (forward). Press and hold to change in succession. Or, press [❚❚] repeatedly for forward frame-by-frame.
Menus	Press [▲, ▼, ◀, ▶] to select an item and [ENTER] to confirm. Or, press the numbered buttons. Press [TOP MENU] to show the top menu. Press [MENU] to show a menu. Press [RETURN] to show a menu. VCD

Notes

- On the main unit, press [|◀◀/◀◀] or [▶▶/▶▶|] to perform skip, and press and hold to perform search and slow-motion.
- The speed of search and slow-motion increases up to 5 steps.
- Slow-motion and frame-by-frame only work on moving pictures.
- You can turn off the sound during search (➜ page 18, Audio—Audio during Search).

When playing Video CDs

- You cannot move backwards during slow-motion and frame-by-frame.
- Pressing buttons to perform skip, search or slow-motion may take you to a menu screen.

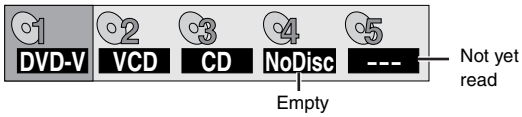
- **If "⃠" appears on the television**
  The operation is prohibited by the unit or disc.
- Discs continue to rotate while menus are displayed even after playing an item. Press [■] when you finish to preserve the unit's motor and your television screen.
- **To prevent damage**
  Do not;
  –load more than one disc per tray.
  –touch the drawer or the carousel while they are in motion
  –rotate the carousel by hand.
  –close the drawer by hand.

Disc type screen

Check the discs loaded and select a disc to play.

1 Press [DISC].

Disc type screen



2 Press the disc button ([DISC 1] – [DISC 5]).

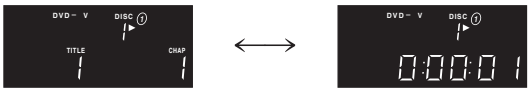
To clear the screen
Press [DISC].

Changing the main unit display

Press [FL SELECT].
Each time you press the button:

Program/Play list/Group/Title/ Chapter/Track/Picture/Content number display

Time display



Sequential play

VCD CD WMA MP3
The unit usually plays the disc in the play position and then stops. Turn sequential play on to play all loaded discs, except for DVDs and JPEG discs.

Press [SEQUENTIAL].
Each time you press the button:
SEQ on ⟷ SEQ off

- On the main unit, press [CD SEQUENTIAL].
- HighMAT menus and Video CD playback control are disabled.
- You cannot change the mode during program or random play.
- Sequential Mode turns off when you switch the unit to standby.

Changing the disc in the play position

Main unit only

1 Press [DISC EXCHANGE].
The drawer opens and the disc in the play position comes to the front-left position.

2 Change the disc in the front-left position.

3 Press [DISC EXCHANGE].

Changing other discs during play

You can change the other discs without interrupting play.

Main unit only

1 Press [⏏] to open the drawer.

2 Press [DISC SKIP] to rotate the carousel.
The carousel moves one tray clockwise and each subsequent press moves it two trays in alternate directions.

3 Change the disc and press [⏏].

Starting play from a selected item

RAM DVD-A DVD-V VCD CD
Press the numbered buttons.
To select a 2-digit number
e.g. 23: [≧10] ➜ [2] ➜ [3]

WMA MP3 JPEG
Press the numbered buttons then press [ENTER].
e.g. 123: [1] ➜ [2] ➜ [3] ➜ [ENTER]

- This works only when stopped with some discs.
- When playing DVD-Audio and you want to start play from a track in a different group, select the group first (➜ right).

Selecting groups to play

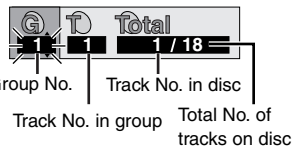
DVD-A WMA MP3 JPEG

1 Press [GROUP].

2 Press [▲, ▼] to select the group number and press [ENTER].

3 Press [▲, ▼] to select the track/picture number and press [ENTER].
- You can also select the group and track/picture number with the numbered buttons.

e.g. MP3

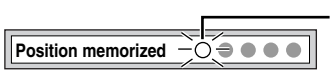


●Playing bonus groups
Some discs contain bonus groups. If a password screen appears after selecting a group, enter the password with the numbered buttons. Refer also to the disc's jacket.

Position Memory function

RAM DVD-A DVD-V VCD CD WMA MP3
(When the elapsed play time is displayed)
JPEG
Memorize positions on up to five discs to restart play after switching the unit to standby or changing discs.
During play

1 Press [POSITION MEMORY].



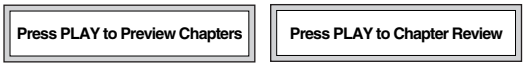
2 Press [⏻] to switch the unit to standby, or change the disc.

3 When you are ready to play the disc again
Press [►] (PLAY) to restart from the position.

- When you memorize the sixth position, the earliest position is replaced.
- This function does not work while playing some DVDs or play lists on DVD-RAM.
- You cannot recall the position in Sequential Mode.

Chapter Review DVD-V

One of these messages appears.

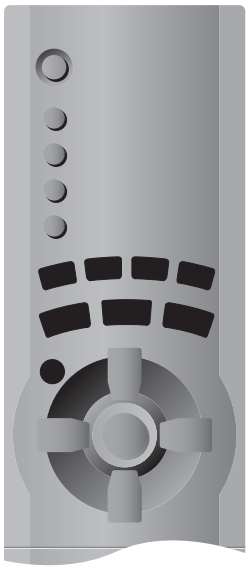


Press [►] (PLAY) again to review the first few seconds of the chapters up to the one where you memorized the position. Play then resumes from the memorized position.
Do not press [►] (PLAY) if you do not want to review chapters.

Replaying a scene—QUICK REPLAY

RAM DVD-A DVD-V VCD CD WMA MP3
Skip back a few seconds within the current item (program, track or title).
JPEG
Skip back a few pictures.

During play
Press [QUICK REPLAY].
- This feature may not work while playing some parts of a disc or at all with some discs.



DVD-F61 is not compatible with WMA, JPEG, or HighMAT. References to them apply only to DVD-F65.

Playing WMA/MP3/JPEG and CD text

If the disc contains both audio data (WMA and MP3) and JPEG, check "Mixed Disc—Audio & Stills" setting in the SETUP menu (➜ page 18). Select "Stills (JPEG)" or "Audio (MP3/WMA)".

These menus help you find items to play.

CD (CD text only) WMA MP3 JPEG

1 Press [TOP MENU].

"☞" indicates the track currently playing.

2 Press [▲, ▼] to select the track or [▲, ▼, ◄, ►] to select the picture, and press [ENTER].

To show other pages, press [▲, ▼, ◄, ►] to select "Prev" or "Next" and press [ENTER].

- After listing all the tracks or pictures in one group, the list for the next group appears.

To exit the menu

Press [TOP MENU].

To use the contents screen to find a track CD (CD text only)

You can use the text information recorded on these discs to find a track to play.

While the menu is displayed

1 Press [►] while a track is highlighted to display the contents screen.

2 Press [◄, ►] to move through the tracks and press [ENTER].

To return to the menu

Press [RETURN].

Example: finding a track including the word "LOVE".

While the menu is displayed

1 Press [▲, ▼] to select "Find" and press [ENTER].

2 Press [▲, ▼] to select "L" and press [ENTER].

Only uppercase appear but the search also includes lower case. Characters change in alphanumeric order each time you press [▲].

- Press [|◄◄, ►►|] to skip between A, E, I, O and U.
- Press [◄] to erase a character.
- You can erase the asterisk (✳) to search for the first word in a title.
- You can enter numbers with the numbered buttons.

Repeat this step to enter "O", "V", and "E".

3 Press [►] to select "Find" and press [ENTER].

The search results screen appears.

4 Press [▲, ▼] to select the track and press [ENTER].

To return to the menu

Press [RETURN].

While the menu is displayed

1 WMA MP3

Press [►] while a track is highlighted to display a tree screen.

JPEG

Press [▲, ▼, ◄, ►] to select "Tree" and press [ENTER].

2 Press [▲, ▼, ◄, ►] to select a group and press [ENTER].

The audio navigation menu/album display for the group appears.

To return to the menu

Press [RETURN].

Note

WMA

- You cannot play WMA files that are copy protected.
- WMA files must have the extension ".WMA" or ".wma".

MP3

- This unit is not compatible with ID3 tags.
- If you play an MP3 track that includes still picture data, it will take some time before the music itself starts playing and the elapsed time will not be displayed during this time. Even after the track starts, the correct play time will not be displayed.
- MP3 files must have the extension ".MP3" or ".mp3".

JPEG

- To view JPEG files on this unit:

–Take them on a digital camera that meets the DCF (Design rule for Camera File system) standard.
–Do not alter the files in any way or save them under a different name.
–Ensure they have the extension ".JPG", ".jpg", ".JPEG", or ".jpeg".

- This unit cannot display moving pictures, MOTION JPEG and other such formats, still pictures other than JPEG (i.e. TIFF) or play associated sound.

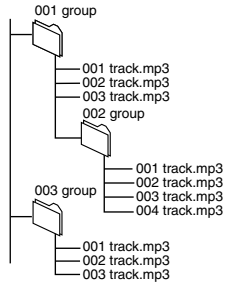
WMA MP3 JPEG

- Discs must conform to ISO9660 level 1 or 2 (except for extended formats).
- This unit is compatible with multi-session but if there are a lot of sessions it takes more time for play to start. Keep the number of sessions to a minimum to avoid this.

Naming folders and files

At the time of recording, prefix folder and file names with 3-digit numbers in the order you want to play them (this may not work at times).

root **e.g.** MP3



Playing HighMAT discs

A menu appears when you select the disc.

Press [▲, ▼, ◄, ►] to select then press [ENTER].

When you press [ENTER]:

Menu: Takes you to the next menu which shows play lists or another menu

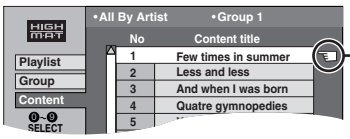
Play list: play starts

- **To return to the menu screen**
  Press [TOP MENU].
- **To return to the menu above the current one**
  Press [RETURN].
- **To change the menu background**
  Press [DISPLAY].
  The background changes to the one recorded on the disc.

■ Selecting from the lists

While playing

1 Press [MENU].



Playing

2 Press [◄] then [▲, ▼] to switch between the play list, group and content lists.

3 Press [►] then [▲, ▼] to select an item and press [ENTER].

- **To exit the list screen**
  Press [MENU].

HIGH M·A·T AUDIO·IMAGE

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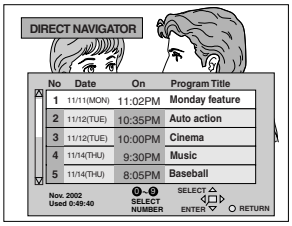
Playing the programs on DVD-RAM

RAM

Use the program list to find programs to play.

1 Press [DIRECT NAVIGATOR].



- Titles appear only if you have entered them.
- You cannot change program and disc titles.
- Units for Asia, Australia and N.Z. use the 24-hour system for the time display.

2 Press [▲, ▼] to select the program.

The selected program plays in the background.

- You can select programs with the numbered buttons.
  To select a 2-digit number
  e.g. 23: [≧10] ➜ [2] ➜ [3]

3 Press [ENTER].

The program being played in the background continues.

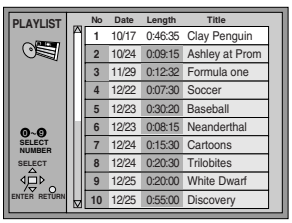
To clear the program list

Press [DIRECT NAVIGATOR].

To play a play list

You can play a play list created on other equipment such as a DVD video recorder.

1 Press [PLAY LIST].



2 Press [▲, ▼] to select the play list.

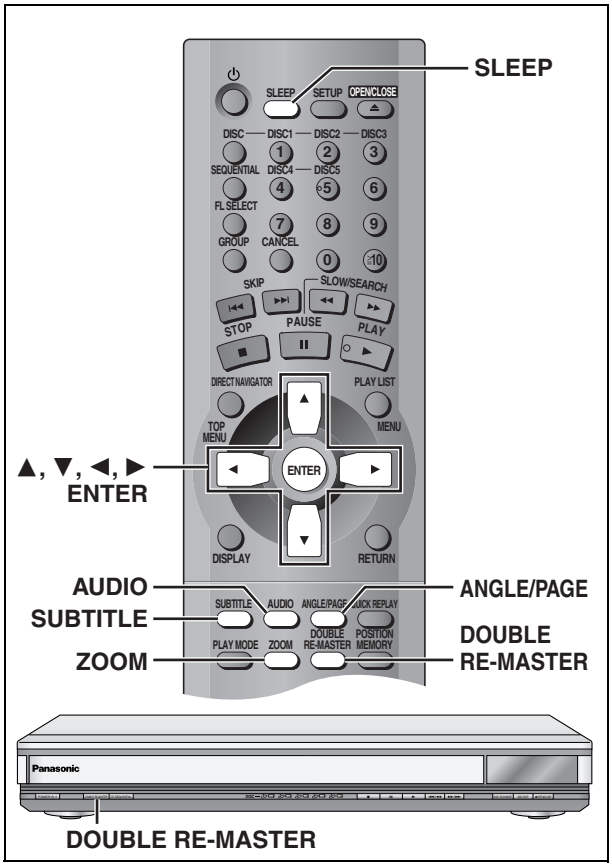
- You can select play lists with the numbered buttons.
  To select a 2-digit number
  e.g. 23: [≧10] ➜ [2] ➜ [3]

3 Press [ENTER] to start play.

- To skip scenes, press [|◄◄] or [►►|].

To clear the play list screen

Press [PLAY LIST].



Changing soundtracks, subtitles and angles

Some discs have multiple soundtracks, subtitle languages and camera angles, and you can change them during play.

- "–" or "– –" is displayed instead of the language number in circumstances such as when no language is recorded on the disc.

VCD (SVCD only)

Soundtrack and subtitle numbers may change even if corresponding soundtracks are not recorded.

Soundtracks

RAM DVD-A DVD-V VCD

During play

Press [AUDIO].

RAM VCD

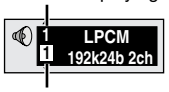
Each time you press the button:

LR→ L→ R

e.g. RAM

DVD-A

Soundtrack playing



Soundtrack selected

DVD-V

The number changes each time you press the button.

- "D.MIX" indicates that a multi-channel soundtrack can be down-mixed to two channels.

- Play restarts from the beginning of the soundtrack when playing DVD-Audio and DVD-RAM soundtracks that are accompanied by still pictures.
- Even if a second soundtrack isn't recorded on a DVD-Audio, two soundtrack numbers will normally be shown when you press [AUDIO]. The soundtrack currently playing is number 1.
- You can also use this button to turn the vocals on and off on karaoke discs. Read the disc's instructions for details.
- Refer to B (➜ page 15) for audio signal type details.

Subtitles

DVD-A (Moving picture part) DVD-V VCD (SVCD only)

You can change the subtitle language and turn the subtitles on and off.

RAM

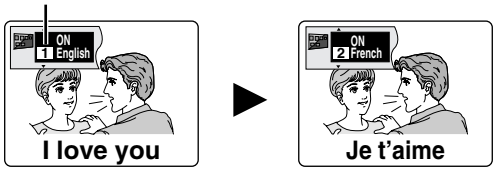
You can turn the subtitles on and off.

During play

Press [SUBTITLE].

The number changes each time you press the button.

e.g. DVD-V



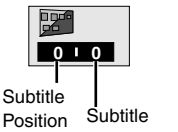
- In some cases, the subtitle language is not changed to the selected one immediately.
- If the subtitles overlap closed captions recorded on discs, turn the subtitles off.

To clear/display the subtitles

1. Press [SUBTITLE].
2. Press [►]. (DVD-A DVD-V VCD)
3. Press [▲, ▼] to select "OFF" or "ON".

■ Changing the position and brightness of the subtitles

1. While the subtitle icon is on the screen, press [◄, ►] to highlight "Subtitle Position" or "Subtitle Brightness".
2. Press [▲, ▼] to adjust.



- Adjust position between 0 and −60 in 2 unit steps.
- For brightness, select "Auto" so the brightness adjusts automatically against the background, or a level between 0 and −9.

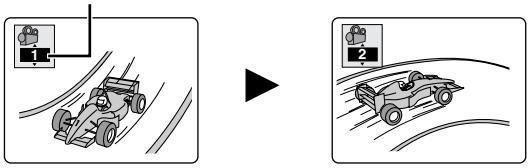
Angles

DVD-A DVD-V

During play

Press [ANGLE/PAGE].

The angle changes each time you press the button.



JPEG

You can rotate pictures ninety degrees.

While a picture is displayed

1 Press [ANGLE/PAGE].

2 Press [▲, ▼] to select "Rotate right" or "Rotate left" and press [ENTER].

- **To clear the popup screen**

Press [ANGLE/PAGE].

Selecting still pictures—Page Skip

DVD-A

During play

Press [ANGLE/PAGE].

The page changes each time you press the button.

PAGE 1

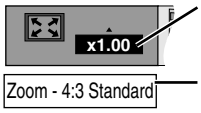
Variable Zoom function

RAM DVD-A (Moving picture part) DVD-V VCD

Change the zoom ratio so the picture expands to the optimum size to fill the screen.

During play

Press [ZOOM] to select the preset aspect ratio.



The zoom ratio changes each time you press the button.

The popup shows the video format suited to the ratio.

4:3 Standard→European Vista→16:9 Standard
↑ ↓
Cinemascope2←Cinemascope1←American Vista

Refer to the disc's instructions and "Screen size" below for the aspect ratio of the picture.

■ Making fine adjustments to the zoom ratio

While the ZOOM icon is displayed:

Press [▲, ▼].

The ratio changes in 0.01 units between 1.00 and 1.60 and in 0.02 units between 1.60 and 2.00.

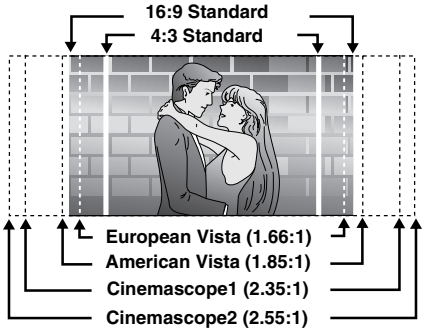
To restore the original ratio

Press [ZOOM] until the ratio returns to 1.00.

The ratio also returns to 1.00 when you change the disc or switch the unit to standby. The ratio may return to 1.00 when a menu is displayed.

■ Screen size

Movies are made using a variety of screen sizes.



Double re-master—Enjoying more natural sound

(For analog connection)

RAM DVD-A DVD-V CD

Discs recorded with 2-channel LPCM at 44.1 kHz or 48 kHz

This feature gives you a more natural sound by adding the higher frequency signals not recorded on the disc.

WMA MP3

Discs recorded at 44.1 kHz or 48 kHz

This feature reproduces the frequencies lost during recording to give you a sound closer to the original.

During play

Press [DOUBLE RE-MASTER].

Output sampling frequency

Each time you press the button:

Setting	RAM DVD-A DVD-V CD Type of music	WMA MP3 Effect level
1	High tempo (e.g., pops and rock)	Light
2	Various tempos (e.g., jazz)	Medium
3	Low tempo (e.g., classical)	Strong
OFF	Off	Off

Setting the unit to turn off—SLEEP timer

Press [SLEEP] to select the setting.

Each time you press the button:

→ OFF: cancel
↓
AUTO: turns the unit off 5 minutes after play finishes
↓
60 min: turns the unit off after 60 minutes
↓
90 min: turns the unit off after 90 minutes
↓
120 min: turns the unit off after 120 minutes

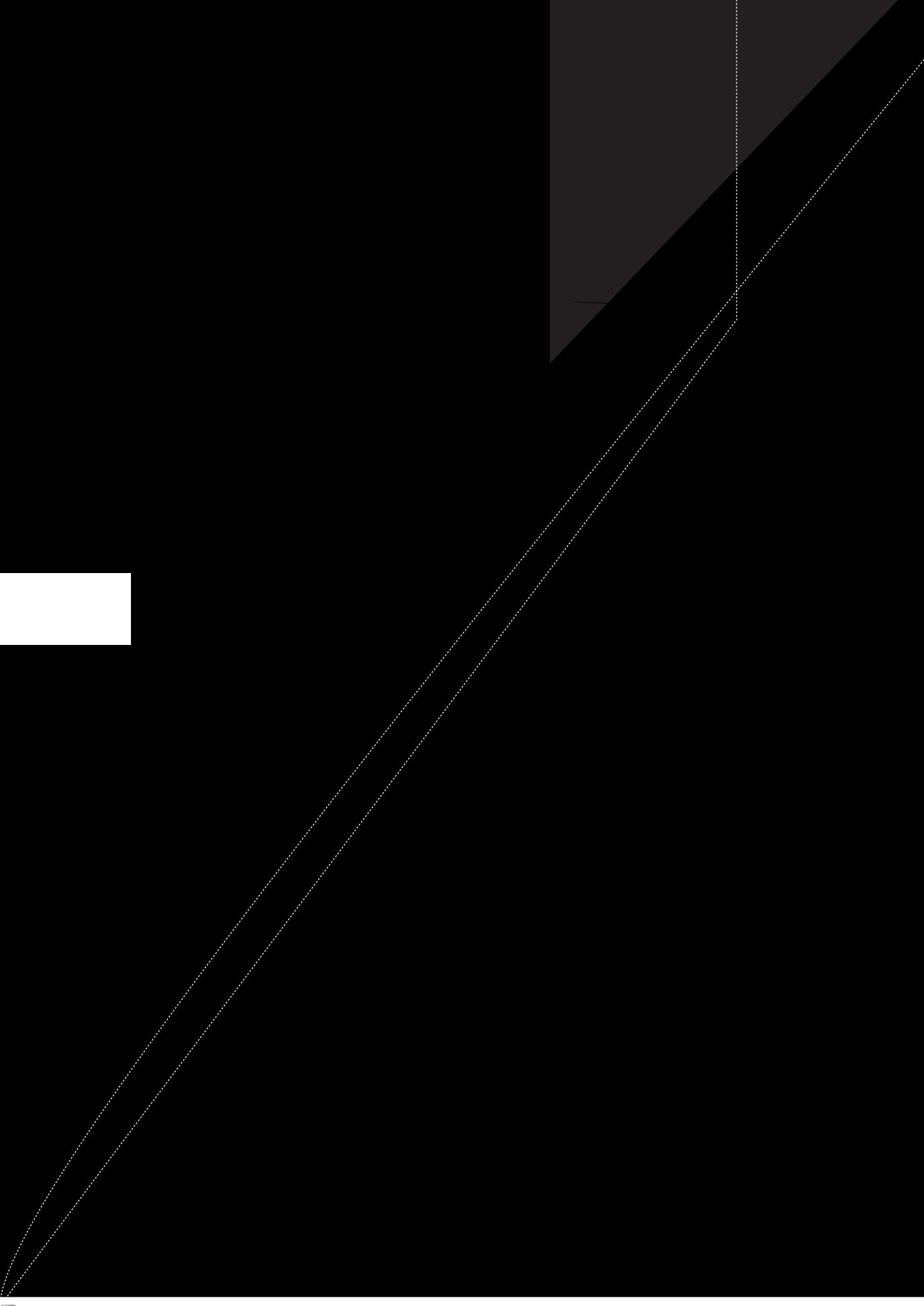
- AUTO also works with DVDs that show a menu after play finishes.
- AUTO does not work if you press [■], [MENU] or [TOP MENU]. It is activated again when you restart play.
- AUTO does not work correctly with some discs (e.g., if menus appear after playing Video CDs).

To confirm the remaining time

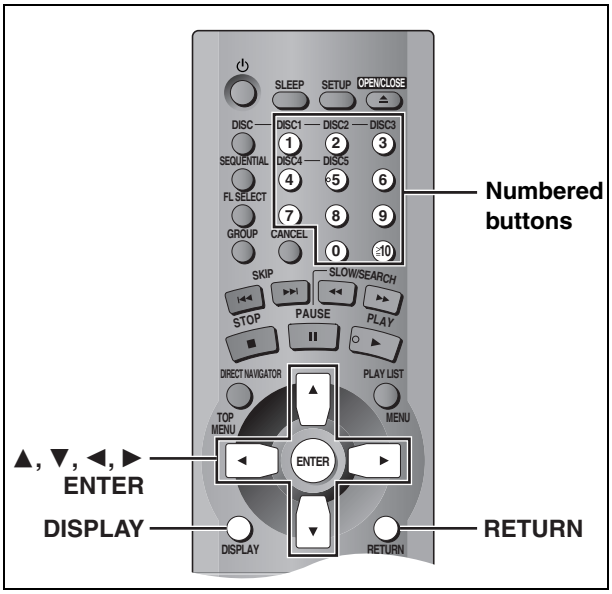
Press [SLEEP].

■ Auto standby

The unit switches to standby mode after about 30 minutes in the stop mode, irrespective of the SLEEP setting.



Using On-Screen Menu Icons



On-Screen Menu Icons are menus that contain information about the disc or unit and allow you to perform operations by changing this information.

Common procedures

1 Press [DISPLAY].

Each time you press the button:

Disc information (➜ right) → **Progress indicator** (➜ page 17)

↑ ↓

Original display ← **Unit information** (➜ page 16–17)

2 Unit information only

While the leftmost icon is highlighted

Press [▲, ▼] to select the menu.

Each time you press the button:

Play Menu ⟷ **Picture Menu** ⟷ **Audio Menu** ⟷ **Display Menu**

3 Press [◄, ►] to select the item.

4 Press [▲, ▼] to select the setting.

- Change items with "▲" or "▼" above and below with [▲, ▼] (press [ENTER] if the setting doesn't change).
- Change numbered items with the numbered buttons and press [ENTER].
- Depending on the condition of the unit (playing, stopped, etc.) and the type of software, there are some items that you cannot select or change.
- Read the following explanations for other items.

To clear the menus

Press [RETURN] until the menus disappear.

■ To change the position of the icons

1. Press [◄, ►] to select the Bar Position icon.
2. Press [▲, ▼] to move the icons. (There are 5 positions.)

Disc information

e.g. DVD-V	RAM **PG: Program number** **PL: Play list number** DVD-V **T: Title number** **C: Chapter number** VCD CD **T: Track number** DVD-A WMA MP3 **G: Group number** **T: Track number in group** JPEG **G: Group number** **P: Picture number in group**
	Time RAM DVD-A DVD-V ●Press [▲, ▼] to show the elapsed play time or remaining time for the program, play list, group, track or title (or chapter during program and random play). ●Select a position to start play by specifying a time with the numbered buttons and press [ENTER]. **Changing the time display** VCD CD Press [▲, ▼] to show the elapsed play time, remaining time for the track, or remaining time for the disc. **Elapsed play time** VCD (SVCD only) WMA MP3 For display only, cannot be changed.
	Audio mode (➜ page 12, Soundtracks) **Soundtrack language** (See A below for language abbreviations.) **Audio signal type** (See B below for details.) **Karaoke vocal on/off** (Karaoke DVD only) DVD-V Solo: OFF or ON Duet: OFF, V1 + V2, V1 or V2 **rrent bitrate** WMA MP3 **Current sampling frequency** WMA MP3
	Subtitle language (➜ page 12) (See A below for language abbreviations.) **Subtitles on/off** ON⟷OFF **Track information on/off** CD (CD text only) WMA MP3 ON⟷OFF **Picture information** JPEG Full: Group title, picture title, picture size, file size, date of shooting, and camera model used*. Date: Date of shooting only. OFF: No display. * Actual displays depend on the camera and data.
	Angle number (➜ page 12)
	Track/picture number in disc WMA MP3 JPEG **Total number of tracks/pictures on disc** WMA MP3 JPEG
	Menu play VCD Indicates whether menu play (playback control) is on or off.
	Still picture number DVD-A Selected picture is shown during play. **Slideshow setting** JPEG ON⟷OFF **Slideshow timing** JPEG 0–30 sec

Unit information

Play Menu

A-B repeat RAM DVD-A DVD-V VCD CD WMA MP3
(When the elapsed play time is displayed)
Repeat a section between points A and B within an item.

[ENTER] (start point) ➜ [ENTER] (finish point)
To cancel: [ENTER]

- Subtitles recorded around A and B may fail to appear.
- The end of an item becomes point B when it is reached.
- A-B repeat is canceled when you press [QUICK REPLAY].

Repeat mode
RAM DVD-A DVD-V VCD CD WMA MP3
(When the elapsed play time is displayed)
JPEG

RAM
PG: Program※1 S: Scene※3
D: Disc※2 PL: Playlist※3
OFF

DVD-A
T: Track※1
G: Group※2
OFF

DVD-V
C: Ch
T: T
OFF

VCD CD WMA MP3
T: Track※1
D: Disc※2 ※4
S: Sequential※5
OFF

JPEG
G: Group
OFF

※1 "1 (1 Step)" during program play: repea
program item.
※2 "A (All)" during program and random
"S (Sequential)" appears instead of
mode is on to repeat play of all loa
DVDs).
※3 During play list play
※4 "G (Group)" when Sequential p
※5 Appears only when Sequentia

- You can also repeat play of c
on HighMAT discs.
- **If the Video Cd has playb**
1. Press [■] to clear "PB
2. Press the numbered bu
3. Select an item to rep
- **To repeat only your f**
chapters
Start program play (

Play mode display
RAM DVD-A DVD
---: Normal pl
RND: Random

Marker
RAM : 999
DVD-A DVD
[ENTER] (T
To mark a
To mark a
To recall
To eras
RAM
To m
1.
2.

- This feature doesn't work during program and random play.
- Markers you add clear when you change the disc or switch the unit to standby.

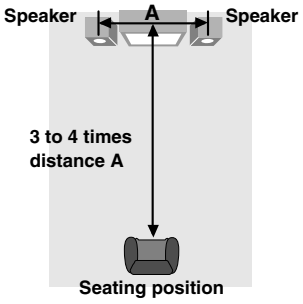
Audio Menu

Advanced surround (VSS)
RAM DVD-V VCD **(2-channel or greater)**
Enjoy a surround-like effect when using 2 front speakers (SP) or headphones (HP) (connect the unit to equipment that has a headphone jack). The effect broadens when playing discs with surround effects and sound seems to come from speakers on either side of you.

- **VSS mode:** SP⟷HP
- **SP/HP level**
  1: Natural effect
  2: Emphasized effect
  OFF: Cancel (Factory preset)

To change SP/HP level: [▶] ➜ [▲, ▼]

Optimum seating position



<When using the television's speakers>
Distance A= Television's width

- This does not work or has less effect with some discs.
- Turn off if it causes distortion.
- Do not use in combination with surround effects on other equipment.

Double re-master (➜ page 13)

Dialogue enhancer
DVD-V
(Dolby Digital, DTS, 3-channel or over, where the dialogue is recorded in the center channel)
This makes the dialogue in movies easier to hear.
ON ⟷ OFF (Factory preset)

- This does not work or has less effect with some discs.

Picture Menu

Picture mode
N: Normal mode

C1 (Cinema1): Mellows images and enhances detail in dark scenes
C2 (Cinema2): Sharpens images and enhances detail in dark scenes

U1/U2: User mode (➜ below)

Video output mode
480I: Interlace video
480P: Progressive video
(∗**:** Progressive output not possible with PAL signals)

- You can change the video output mode only when "Progressive Out (Component)" in the SETUP menu is set to "Enable" (➜ page 18).
- When progressive output is on, closed captions will not be displayed.

Transfer mode
Select the method of conversion for progressive output to suit the type of material being played. (➜ back cover, Glossary—Film and video)
Auto1 (normal): For viewing film material
Auto2: For viewing film material (the same as Auto1, but able to convert 30-frame-per-second progressive video)
Video: For video material

■ User mode

Press [▶] while "U1" or "U2" is highlighted and then press [▲, ▼] to select "1" or "2".

U1: User mode 1

Contrast (−7 to +7)
Adjusts the contrast between light and dark parts of the picture.

Brightness (0 to +15)
Adjusts the picture brightness.

Sharpness (−7 to +7)
Adjusts the sharpness of the edges of the horizontal lines.

Color (−7 to +7)
Adjusts the shade of the picture's color.

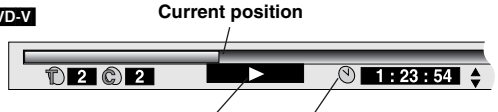
Gamma (0 to +5)
Adjusts the brightness of dark parts of the picture.

U2: User mode 2
(Video output mode ➜ above)

Progress indicator

Indicates how far you have played through an item.

e.g. DVD-V



Changing the time display RAM DVD-A DVD-V VCD CD
Press [▲, ▼] to show the elapsed play time or remaining time for the program, play list, track or title (or chapter during program and random play).
Elapsed play time VCD (SVCD only) WMA MP3
For display only, cannot be changed.

■ Changing play speed DVD-A (Moving picture part) DVD-V

(Dolby Digital only)

Press [◀] (slower) or [▶] (faster).
There are five speeds:
×0.8 ↔ ×0.9 ↔ ×1.0 (normal speed) ↔ ×1.2 ↔ ×1.4

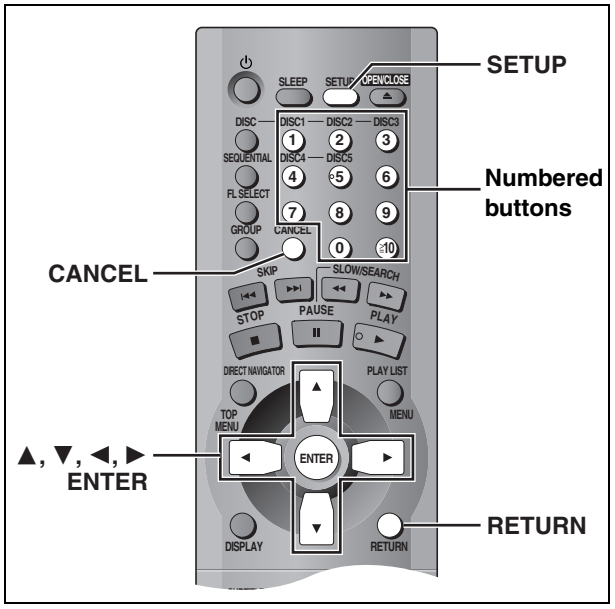
- After you change the speed:
  –Output is in stereo,
  –Advanced surround does not work,
  –Digital output switches to PCM.
- Sound is stereo as long as "×1.0" is orange.

To return to normal play
Press [▶] (PLAY).

This chart shows the settings for this unit. Change the settings to suit your preferences and to suit the unit to the environment in which it is being used. The changes remain intact even if you switch the unit to standby. See page 19 for operation.

Menus	Items	Options (Underlined items are the factory preset.)
Disc	**Audio** Choose the audio language.	<u>English</u> (Language options) Original※1 Other ＊＊＊＊※2
	Subtitle Choose the subtitle language.	<u>Automatic</u>※3 English (Language options) Other ＊＊＊＊※2
	Menus Choose the language for disc menus.	<u>English</u> (Language options) Other ＊＊＊＊※2
	Ratings (➜ page 19) ●Set a ratings level to limit DVD-Video play. ●The password screen is shown if you choose levels 0 to 7 or if you choose "Ratings" when levels 0 to 7 have been selected. ●Select "Level 0" to prevent play of discs that do not have ratings levels recorded on them.	**Setting ratings (When level 8 is selected)** <u>8 No Limit</u> 1 to 7※7 0 Lock All **Changing ratings (When level 0–7 is selected)** Unlock Player Change Password Change Level Temporary Unlock
Video	**TV Aspect** (➜ page 7) Choose the setting to suit your television and preference.	<u>4:3 Pan&Scan</u> 4:3 Letterbox 16:9
	Progressive Out (Component) Choose "Enable" to enable progressive output.	<u>Disable</u> Enable※4 Enable (NTSC Disc Only)※5※6
	Still Mode Specify the type of picture shown when paused.	<u>Automatic</u> Field Frame
	Black Level Control※4 Change the black level of the picture if you connected a television through the COMPONENT VIDEO OUT terminals.	<u>Lighter</u>: When connected through VIDEO OUT or S VIDEO OUT. Darker: When connected through COMPONENT VIDEO OUT ($Y/P_B/P_R$).
	NTSC Disc Output※5※6 Choose PAL 60 or NTSC output when playing NTSC discs (➜ page 6—Video systems).	<u>PAL60</u>: When connected to a PAL television. NTSC: When connected to an NTSC television. (**For Asia:** "NTSC" is the factory preset.)
Audio	**PCM Down Conversion** (➜ page 19)	<u>No</u> Yes
	Dolby Digital (➜ page 19)	<u>Bitstream</u> PCM
	DTS Digital Surround (➜ page 19)	<u>PCM</u> Bitstream
	MPEG※5 (➜ page 19)	<u>PCM</u> Bitstream
	Dynamic Range Compression (Dolby Digital only) Change the dynamic range for late night viewing.	<u>Off</u> On
	Audio during Search※8 Choose whether to have sound during search.	<u>On</u> Off
Display	**Menu Language** Choose the language for these menus and the on-screen messages.	※4 <u>English</u> Français Español ※5 <u>English</u> Français Deutsch Italiano Español Português Svenska Nederlands ※6 <u>English</u> 中文
	On-Screen Messages Choose whether to show on-screen messages or not.	<u>On</u> Off
	FL Dimmer Changes the brightness of the unit's display.	<u>Bright</u> Dim Auto: The display is dimmed during play, but brightens when you perform operations such as slow-motion, search, and pause.
Others	**HighMAT** (DVD-F65 only) Play HighMAT discs as HighMAT discs, or as regular WMA/MP3/JPEG discs.	<u>Enable</u>: Play HighMAT discs as HighMAT discs. Disable: Play HighMAT discs as regular WMA/MP3/JPEG discs.
	Mixed Disc–Audio & Stills (DVD-F65 only) Select which type of file the unit plays when playing a disc containing both JPEG and WMA/MP3.	<u>Audio (MP3/WMA)</u> Stills (JPEG)
	DVD-Video Mode Select how to play pictures contained on some DVD-Audio. The setting returns to "Off" when you change the disc or turn the unit off.	<u>Off</u>: DVD-Audio are played as DVD-Audio. On: You can play DVD-Video content on DVD-Audio.
	Demo	<u>Off</u> On: A demonstration of the on-screen displays starts. Press any button to stop it.
	QUICK SETUP (➜ page 7) Answer questions to make basic settings.	Yes <u>No</u>

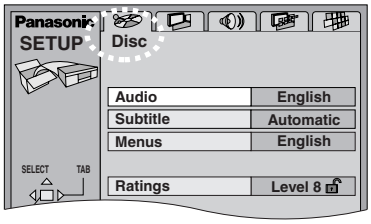
※1 The original language of each disc is selected.
※2 Input a code number with the numbered buttons (➜ page 19).
※3 If the language selected for "Audio" is not available, subtitles of that language will automatically appear if available on that disc.
※4 Units for U.S.A. and Canada
※5 Units for Australia and N.Z.
※6 Units for Asia
※7 Prohibits play of DVD-Video with corresponding ratings recorded on them.
※8 Audio will be heard when playing some DVD-Audio despite the settings you make here.



Common procedures

See page 18 for menu and option details.

1 Press [SETUP] to show the menus.



- The QUICK SETUP screen appears when you press [SETUP] the first time after purchase (➜ page 7).

2 Press [◄, ►] to select the menu's tab.

The screen changes to display the menu.
Disc ↔ **Video** ↔ **Audio** ↔ **Display** ↔ **Others**

3 Press [▲, ▼] to select the item you want to change and press [ENTER].

4 Press [▲, ▼, ◄, ►] to select the option and press [ENTER].

The screen now shows the menu again.

To return to the previous screen
Press [RETURN].
To exit the SETUP menu
Press [SETUP].

Entering a password (Ratings)

DVD-V

The password screen is shown when you select levels 0 to 7.

1. Input a 4-digit password with the numbered buttons.
   - If you enter a wrong number, press [CANCEL] to erase it.
2. Press [ENTER].
   - The lock symbol appears closed to show the rating is locked.
   - **Do not forget your password.**
3. Press [ENTER] to confirm the 4 digits.

Now, when you insert a DVD-Video that exceeds the ratings limit you set, a message appears on the television.
Follow the on-screen instructions.

Digital output

DVD-A **DVD-V**

Change the settings when you have connected equipment through this unit's DIGITAL AUDIO OUT terminal (OPTICAL).

PCM Down Conversion

Select how to output audio with a sampling frequency of 96 kHz or 88.2 kHz.

- Select "Yes" if the equipment you connect cannot process signals with a sampling frequency of 96 kHz or 88.2 kHz.

No (Factory preset): Output as 96 kHz or 88.2 kHz

Yes: Converted to 48 kHz or 44.1 kHz

Note

- Signals are converted to either 48 kHz or 44.1 kHz despite the above settings if the signals have a sampling frequency of over 96 kHz, or the disc has copy protection.
- Some equipment cannot handle sampling frequencies of 88.2 kHz, even if they can handle 96 kHz. Read your equipment's operating instructions for details.

Dolby Digital, DTS Digital Surround and MPEG※

Bitstream (Factory preset for Dolby Digital):
Select if the equipment you connected can decode the signal.

PCM (Factory preset for DTS Digital Surround and MPEG※):
Select if the equipment you connected cannot decode the signal.

※ MPEG: Units for Australia and N.Z.

IMPORTANT
If the equipment you connected cannot decode the signal, the setting must be changed to PCM. If not, signals the equipment cannot process will be output by this unit, causing high levels of noise which can damage your hearing and the speakers.

Language code list

Abkhazian:	6566	Byelorussian:	6669	Georgian:	7565	Kashmiri:	7583	Mongolian:	7778	Serbo-Croatian:	8372	Tigrinya:	8473		
Afar:	6565	Cambodian:	7577	German:	6869	Kazakh:	7575	Nauru:	7865	Shona:	8378	Tonga:	8479		
Afrikaans:	6570	Catalan:	6765	Greek:	6976	Kirghiz:	7589	Nepali:	7869	Sindhi:	8368	Turkish:	8482		
Albanian:	8381	Chinese:	9072	Greenlandic:	7576	Korean:	7579	Norwegian:	7879	Singhalese:	8373	Turkmen:	8475		
Ameharic:	6577	Corsican:	6779	Guarani:	7178	Kurdish:	7585	Oriya:	7982	Slovak:	8375	Twi:	8487		
Arabic:	6582	Croatian:	7282	Gujarati:	7185	Laotian:	7679	Pashto, Pushto:	8083	Slovenian:	8376	Ukrainian:	8575		
Armenian:	7289	Czech:	6783	Hausa:	7265	Latin:	7665	Persian:	7065	Somali:	8379	Urdu:	8582		
Assamese:	6583	Danish:	6865	Hebrew:	7387	Latvian, Lettish:	7686	Polish:	8076	Spanish:	6983	Uzbek:	8590		
Aymara:	6588	Dutch:	7876	Hindi:	7273	Lingala:	7678	Portuguese:	8084	Sundanese:	8385	Vietnamese:	8673		
Azerbaijani:	6590	English:	6978	Hungarian:	7285	Lithuanian:	7684	Punjabi:	8065	Swahili:	8387	Volapük:	8679		
Bashkir:	6665	Esperanto:	6979	Icelandic:	7383	Macedonian:	7775	Quechua:	8185	Swedish:	8386	Welsh:	6789		
Basque:	6985	Estonian:	6984	Indonesian:	7378	Malagasy:	7771	Rhaeto-Romance:	8277	Tagalog:	8476	Wolof:	8779		
Bengali; Bangla:	6678	Faroese:	7079	Interlingua:	7365	Malay:	7783	Romanian:	8279	Tajik:	8471	Xhosa:	8872		
Bhutani:	6890	Fiji:	7074	Irish:	7165	Malayalam:	7776	Russian:	8285	Tamil:	8465	Yiddish:	7473		
Bihari:	6672	Finnish:	7073	Italian:	7384	Maltese:	7784	Samoan:	8377	Tatar:	8484	Yoruba:	8979		
Breton:	6682	French:	7082	Japanese:	7465	Maori:	7773	Sanskrit:	8365	Telugu:	8469	Zulu:	9085		
Bulgarian:	6671	Frisian:	7089	Javanese:	7487	Marathi:	7782	Scots Gaelic:	7168	Thai:	8472				
Burmese:	7789	Galician:	7176	Kannada:	7578	Moldavian:	7779	Serbian:	8382	Tibetan:	6679				

Troubleshooting guide

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem:

In the U.S.A., contact the Panasonic Customer Call Center at 1-800-211-7262, or e-mail consumerproducts@panasonic.com, or web site (http://www.panasonic.com).

In Canada, contact Panasonic Canada Inc. Customer Care Centre at 1-800-561-5505, web site (www.panasonic.ca), or an authorized Servicentre closest to you.

In other areas, consult your dealer.

Power

		Page
No power.	●Insert the AC power supply cord securely into the household AC outlet.	**5**
The unit is automatically switched to the standby mode.	●The unit automatically switches to standby after approximately 30 minutes in the stop mode. Turn the power back to ON. ●The SLEEP timer functioned.	**–** **13**

Operation

No response when buttons pressed.	●Some operations may be prohibited by the disc. ●The unit may not be operating properly due to lightning, static electricity or some other external factor. **Reset procedure**: Press [POWER ⏻/I] to switch the unit to the standby mode and then back to ON. Alternatively, press [POWER ⏻/I] to switch the unit to the standby mode, disconnect the AC power supply cord, and then reconnect it.	**–** **–**
No operations can be performed with the remote control.	●Check that the batteries are installed correctly. ●The batteries are depleted: Replace them with new ones. ●Point the remote control at the remote control sensor and operate.	**7** **7** **3**
Play doesn't start (or stops immediately) when you press [▶] (PLAY).	●Condensation has formed: Wait 1 to 2 hours for it to evaporate. ●This unit cannot play discs other than the ones listed in these operating instructions. ●You can only play DVD-Video if their region number is the same or includes the same region number as the unit or if the DVD-Video is marked "ALL". Confirm the region number for the unit on the rear panel. ●The disc may be dirty and may require cleaning. ●Ensure that the disc is loaded with the label of the side to be played facing upwards. ●Check that the DVD-RAM has something recorded on it.	**–** **6** **6** **6** **8** **–**
Cannot play DVDs.	●Sequential Mode is on. Press [SEQUENTIAL] to turn Sequential Mode off.	**9**
Cannot select alternative languages.	●This function depends on software availability. ●Try selecting from the disc's menu if one is available.	**–** **8**
No menu play.	●This function depends on software availability.	**–**
No subtitles.	●This function depends on software availability. ●Subtitles are cleared from the television. Turn on the subtitles. ●Subtitle position is wrong. Adjust the position.	**–** **12** **12**
Soundtrack and/or subtitle language is not the one selected with the SETUP menus.	●This function depends on software availability.	**–**
Cannot change angle.	●This function depends on software availability. Even if a disc has a number of angles recorded, these angles may be recorded for specific scenes only.	**–**
You have forgotten your ratings password. Reset all the settings to Factory Preset.	●While stopped, press and hold [I◀◀/◀◀] and [❚❚] on the unit and then also press and hold [⏏] on the unit until "Initialized" disappears from the television. Turn the unit off and on again. All settings will return to the default values.	**–**
The drawer stops while opening.	●There are more than 5 discs in the unit. Remove one or more discs and turn the unit off and on again.	**–**

Picture

Picture distorted.	●Some distortion is normal during SEARCH.	**–**
Menu not displayed correctly.	●Restore the zoom ratio to ×1.00. ●Set the subtitle position to 0. ●Set "4:3 Aspect" to "Normal".	**13** **12** **16**
No picture.	●Check the connection. ●Make sure the television is on. ●Ensure the television's video input setting (e.g., VIDEO 1) is correct.	**4** **–** **–**
The picture shown on the television is not normal. (The sides of the picture are cut off, the picture is stretched horizontally, or black bands appear at the top and bottom of the screen.)	●Go to Video in the SETUP menus, and change "TV Aspect" to suit your television. ●Use the television to change the aspect to the correct one. **If your television cannot change the aspect when input is progressive,** try changing "4:3 Aspect" with the on-screen menu icons. ●Turn off the zooming feature of your television if you are using Variable Zoom. ●Ensure that the unit is connected directly to the television, and is not connected through a video cassette recorder.	**7, 18** **–** **16** **13** **4**
There is ghosting when progressive output is on.	●Change "Video output mode" to "480I". This problem is caused by the editing method or material used on DVD-Video, but should be corrected if you use interlace output.	**17**
Picture quality is poor.	●Check the settings in the On-Screen Menu Icons' Picture Menu.	**17**
The SETUP menus and other screens shown on the television are displayed incorrectly. Colors appear faded.	●The unit and television are using different video systems. **Units for Australia and N.Z.** Use a multi-system or PAL television. **Units for Asia** Use a multi-system or NTSC television.	**–**

Sound

		Page
No sound. **Distorted sound.**	●Check the connections. ●Check the volume on the equipment you have connected. ●Ensure that the input settings on the other equipment are correct. ●Turn Advanced surround off if it causes distortion. ●Output from this unit will be in stereo (two channels) when Advanced surround is on. Turn Advanced surround off if you are using three or more speakers. ●If the "D.MIX" indicator on the display goes out while playing a multi-channel DVD-Audio disc, sound only comes from the front left and right speakers. Read the disc's instructions for details. ●Press [►] (PLAY) to restore normal play after changing the speed. ●Noise may occur when playing WMA files.	**4, 5** **–** **–** **17** **17** **–** **17** **–**
Piercing noise comes from the speakers.	●If you have connected this unit to other equipment through the DIGITAL AUDIO OUT terminal, ensure you have selected the correct settings for "Dolby Digital", "DTS Digital Surround" and "MPEG※" in the SETUP menus' Audio menu. ※For Australia and N.Z.	**19**
Effects do not work.	●Dialogue enhancer and Advanced surround do not work when the unit is outputting bitstream signals. ●Advanced surround does not work if you have changed the play speed.	**–** **17**

Unit displays

"NOPLAY"	●You inserted a disc the unit cannot play; insert one it can. ●You inserted a blank DVD-RAM.	**6** **–**
"CHECK"	●Disc is dirty: Wipe it clean.	**6**
"H□□" **□□ stands for a number.**	●Trouble may have occurred. The number following "H" depends on the status of the unit. **Reset procedure:** Press [POWER ⏻/I] to switch the unit to the standby mode and then back to ON. Alternatively, press [POWER ⏻/I] to switch the unit to the standby mode, disconnect the AC power supply cord, and then reconnect it. ●If the service numbers fail to clear, note the service number and contact a qualified service person.	**–** **–**

Television displays

"Cannot display group xx, picture xx."	●You are trying to display incompatible pictures.	**–**
"The progressive out is set to "Disable""	●Go to Video in the SETUP menus, and select "Enable" in "Progressive Out (Component)".	**18**
No on-screen display or only partially displayed.	●Go to Display in the SETUP menus, and select "On" for "On-Screen Messages". ●Press [DISPLAY], and press [◄, ►] to highlight the Bar Position icon, then press [▲, ▼] to adjust the position.	**18** **15**
The disc's menu is displayed in a different language.	●Go to Disc in the SETUP menus, and select the preferred language for "Menus".	**18**

Maintenance

Clean this unit with a soft, dry cloth.

●Never use alcohol, paint thinner or benzine to clean this unit.

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Apparatus Claims of U.S. Patent Nos. 4,631,603, 4,577,216, and 4,819,098, licensed for limited viewing uses only.

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Limited Warranty (ONLY FOR U.S.A.)

Panasonic Consumer Electronics Company,
Division of Matsushita Electric Corporation of America
One Panasonic Way Secaucus, New Jersey 07094

Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico, Inc.
Ave. 65 de Infantería, Km. 9.5
San Gabriel Industrial Park, Carolina, Puerto Rico 00985

Panasonic DVD Player/Recorder Limited Warranty

Limited Warranty Coverage
If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

Product or Part Name	Parts	Labor
DVD Player	One (1) Year	Ninety (90) Days
DVD Recorder	One (1) Year	One (1) Year
Rechargeable Batteries, DVD-RAM Disc (in exchange for defective item)	Ten (10) Days	Not Applicable

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must carry-in or mail-in your product during the warranty period. If non-rechargeable batteries are included, they are not warranted. This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is". A purchase receipt or other proof of the original purchase date is required for warranty service.

Carry-In or Mail-In Service
For Carry-In or Mail-In Service in the United States call 1-800-211-PANA(7262) or visit Panasonic Web Site: http://www.panasonic.com
For assistance in Puerto Rico call Panasonic Sales Company (787)-750-4300 or fax (787)-768-2910.

Limited Warranty Limits And Exclusions
This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or commercial use (such as in a hotel, office, restaurant, or other business), rental use of the product, service by anyone other than a Factory Servicenter or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, travel to and from the servicer, loss of media or images, data or other recorded content. The items listed are not excluive, but are for illustration only.) **ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY ARE YOUR RESPONSIBILITY.

Customer Services Directory

For Product Information, Operating Assistance, Literature Request, Dealer Locations, and all Customer Service inquiries please contact:
1-800-211-PANA (7262), Monday–Friday 9 am–9 pm; Saturday–Sunday 9 am–7 pm, EST.
or send e-mail:
consumerproducts@panasonic.com
For hearing or speech impaired TTY users, TTY: 1-877-833-8855

Web Site: http://www.panasonic.com
You can purchase parts, accessories or locate your nearest servicenter by visiting our Web Site.

Accessory Purchases:

1-800-332-5368 (Customer Orders Only)
For hearing or speech impaired TTY users, TTY: 1-866-605-1277
Panasonic Services Company 20421 84th Avenue South, Kent, WA 98032
(6 am to 5 pm Monday–Friday; 6 am to 10:30 am Saturday; PST)
(Visa, MasterCard, Discover Card, American Express, Check)

Service in Puerto Rico
Matsushita Electric of Puerto Rico, Inc. Panasonic Sales Company/Factory Servicenter:
Ave. 65 de Infanteria, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985
Phone (787) 750-4300 Fax (787) 768-2910

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Product Service

1. **Damage requiring service**—The unit should be serviced by qualified service personnel if:
   (a) The AC power supply cord or AC adaptor has been damaged; or
   (b) Objects or liquids have gotten into the unit; or
   (c) The unit has been exposed to rain; or
   (d) The unit does not operate normally or exhibits a marked change in performance; or
   (e) The unit has been dropped or the cabinet damaged.
2. **Servicing**—Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
3. **Replacement parts**—When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.
4. **Safety check**—After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

Product information

For product information or assistance with product operation:

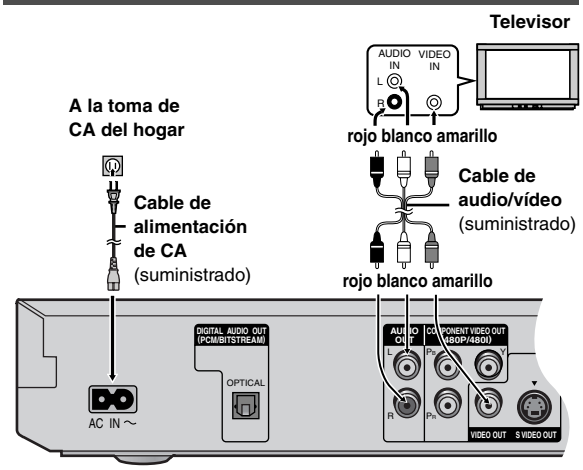
In the U.S.A., contact the Panasonic Customer Call Center at 1-800-211-7262, or e-mail consumerproducts@panasonic.com, or web site (http://www.panasonic.com).

In Canada, contact Panasonic Canada Inc. Customer Care Centre at 1-800-561-5505, web site (www.panasonic.ca), or an authorized Servicentre closest to you.

In other areas, consult your dealer.

DVD-F61 no es compatible con WMA, JPEG, o HighMAT. Las referencias a éstos son aplicables únicamente a DVD-F65.

Conexión a un televisor



Preparación rápida

La **pantalla preparación rápida** aparece cuando usted pulsa [SETUP] por primera vez después de adquirir el aparato y le ayuda a efectuar los ajustes necesarios.

Preparación

Encienda el televisor y seleccione en él la entrada de vídeo apropiada según las conexiones del reproductor.

1. Pulse [⏻] para encender el aparato.
2. Pulse [SETUP] para visualizar la pantalla QUICK SETUP.
3. Pulse [▲, ▼] para seleccionar “Español” y pulse [ENTER].
4. Pulse [▲, ▼] para seleccionar “Sí” y pulse [ENTER].
5. Pulse [▲, ▼] para seleccionar el elemento y pulse [ENTER].
   - ●Idioma de audio
   - ●Idioma de los subtítulos
   - ●Aspecto de su televisor
   - ●Salida progresiva
6. Pulse [ENTER] y después [SETUP] para finalizar los ajustes.

Para volver a la pantalla anterior

Pulse [RETURN].

Para disfrutar del vídeo progresivo

Preparación

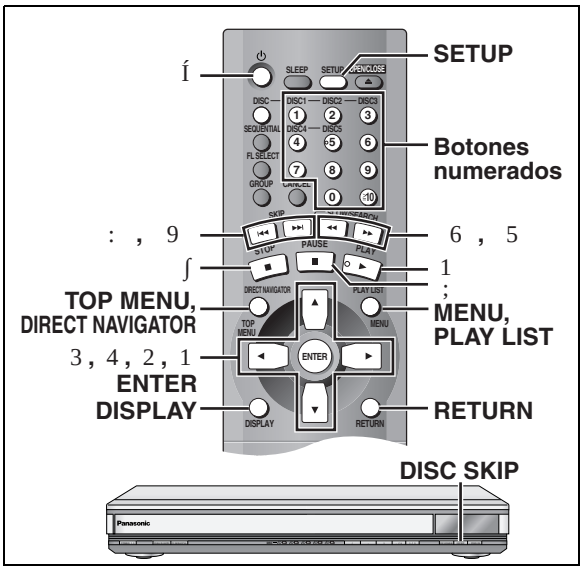
- ●Conecte los terminales de entrada de vídeo componente a un televisor compatible de 480P.
- ●En preparación rápida, ponga “Salida progresiva” en “Activar” (➔ anterior).

1. Pulse [DISPLAY] para visualizar los menús de iconos.

2. Mientras se resalta el icono del extremo izquierdo, pulse [▲, ▼] para seleccionar “Picture Menu”.
3. Pulse [◄, ►] para seleccionar “Video Output Mode”.

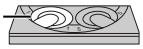
Video Output Mode

4. Pulse [▲, ▼] para seleccionar “480P”.
5. Pulse [RETURN] hasta que desaparezcan los menús.



Reproducción básica

1. Pulse [⏻] para encender el aparato.
2. Pulse [⏏] para abrir el mecanismo de carga y coloque el(los) disco(s) en la(s) bandeja(s) con la etiqueta mirando hacia arriba.
   Si el disco contiene ambos datos de audio (WMA y MP3) y JPEG, compruebe el ajuste “Disco mixto Audio/Imág. fija” en el menú de INSTALACIÓN. Seleccione “Imá. fija (JPEG)” o “Audio (MP3/WMA)”.
   - ●Para cargar discos en las otras bandejas, pulse [DISC SKIP] en el aparato principal.
   - ●La reproducción empieza por el disco delantero izquierdo.



3. Pulse [⏏] para cerrar el compartimento.
4. Pulse [►] (PLAY).

Parada	Pulse [■]. “▷” parpadea en el visualizador. Pulse [►] (PLAY) para reanudar desde esta posición. Vuelva a pulsar [■] para cancelar la posición.
Pausa	Pulse [❚❚]. Pulse [►] (PLAY) para reanudar la reproducción.
Salto de elementos	Pulse [⏮] (hacia atrás) o [⏭] (hacia adelante). **Salto de grupo** JPEG Pulse [▼] (hacia atrás) o [▲] (hacia adelante). **Salto de disco** Pluse [DISC SKIP] en el aparato principal.
Búsqueda	Pulse [◄◄] (hacia atrás) o [►►] (hacia adelante). Pulse [►] (PLAY) para reanudar la reproducción.
A cámara lenta	Durante la pausa, pulse [◄◄] (hacia atrás) o [►►] (hacia adelante). Pulse [►] (PLAY) para reanudar la reproducción.
Cuadro a cuadro	Durante la pausa, pulse [◄] (hacia atrás) o [►] (hacia adelante). Pulse y mantenga pulsado para cambiar en sucesión. O bien, pulse [❚❚] varias veces para avanzar cuadro a cuadro.
Menús	Pulse [▲, ▼, ◄, ►] para seleccionar un elemento y [ENTER] para confirmar. O bien, pulse los botones numerados. Pulse [TOP MENU] para visualizar el menú superior. Pulse [MENU] para visualizar un menú. Pulse [RETURN] para visualizar un menú. VCD **Para visualizar Navegador Directo** RAM Pulse [DIRECT NAVIGATOR]. **Para visualizar el Menú de listas de reproducción** RAM Pulse [PLAY LIST].

ESPAÑOL

Glossary

Bitstream
The digital form of multi-channel data (e.g. 5.1 channel) before decoding.
Decoder
A decoder restores coded audio signals on DVDs to normal.
Dolby Digital
This is a method of coding digital signals developed by Dolby Laboratories. Apart from stereo (2-channel) audio, these signals can also be multi-channel audio. A large amount of audio information can be recorded on one disc using this method.
Dolby Pro Logic
A surround system where a 4-channel audio track is recorded as 2 channels and then is restored to 4 channels for play. The surround channel is monaural and can reproduce up to 7 kHz.
DTS (Digital Theater Systems)
This surround system is used in many movie theaters around the world. There is good separation between the channels, so realistic sound effects are possible.

Dynamic range
Dynamic range is the difference between the lowest level of sound that can be heard above the noise of the equipment and the highest level of sound before distortion occurs.
Film and video
DVD-Videos are recorded using either film or video. Usually, film is recorded at 24 frames per second, the rate movies are filmed at, while video is recorded at 30 frames per second.
Frame still and field still
Frames are the still pictures that make moving pictures. About thirty are shown each second. A frame still may appear blurred but overall quality is high.
Two fields appear alternately to make up one frame. A field still is not blurred but picture quality is lower.
Interlace and progressive output
NTSC, the video signal standard, has 480 interlaced (I) scan lines, whereas progressive scanning uses twice the number of scan lines. This is called 480P.

I/P/B
MPEG 2, the video compression standard adopted for use with DVD-Video, codes frames using these 3 picture types.
I: Intra coded picture
This picture has the best quality and is the best to use when adjusting the picture.
P: Predictive coded picture
This picture is calculated based on past I or P-pictures.
B: Bidirectionally-predictive coded picture
This picture is calculated by comparing past and future I and P-pictures so it has the lowest volume of information.
Linear PCM (pulse code modulation)
These are uncompressed digital signals, similar to those found on CDs.

Specifications

Signal system:
For U.S.A. and Canada : NTSC
For others :
PAL 625/50, PAL525/60, NTSC
Operating temperature range:
+5 to +35 °C (+41 to +95 °F)
Operating humidity range:
5 to 90 % RH (no condensation)
Discs played [8 cm (3 ″) or 12 cm (5 ″)]:
(1) DVD-RAM (DVD-VR compatible)
(2) DVD-Audio
(3) DVD-Video
(4) DVD-R (DVD-Video compatible)
(5) CD-Audio (CD-DA)
(6) Video CD
(7) SVCD (Conforming to IEC62107)
(8) CD-R/CD-RW
(CD-DA, Video-CD formatted discs)
(9) MP3/WMA*
- Maximum number of tracks and groups recognizable: 999 tracks and 99 groups
- Compatible compression rate:
MP3: between 32 kbps and 320 kbps
WMA*: between 48 kbps and 192 kbps

(10) JPEG*
- Exif Ver 2.1 JPEG Baseline files
- Maximum number of pictures and groups recognizable:
3000 pictures and 300 groups
- Picture resolution:
between 320×240 and 6144×4096 pixels (Sub sampling is 4:2:2 or 4:2:0)

(11) HighMAT Level 2 (Audio and Image)

Video output:
Output level: 1 Vp-p (75 Ω)
Output terminal: Pin jack (1 system)
S-video output:
Y output level: 1 Vp-p (75 Ω)
C output level:
For U.S.A. and Canada
NTSC; 0.286 Vp-p (75 Ω)
For others NTSC; 0.286 Vp-p (75 Ω)
PAL; 0.300 Vp-p (75 Ω)
Output terminal; S terminal (1 system)
Component video output:
For U.S.A. and Canada; (480P/480I)
For others (NTSC: 480P/480I, PAL: 576I)
Y output level: 1 Vp-p (75 Ω)
P_B output level: 0.7 Vp-p (75 Ω)
P_R output level: 0.7 Vp-p (75 Ω)
Output terminal: Pin jack
(1 system, Y: green, P_B: blue, P_R: red)
Audio output:
Output level: 2 Vrms (1 kHz, 0 dB)
Output terminal: Pin jack
Number of terminals: 2 channel:1 system
Audio performance:
(1) Frequency response:
- DVD (linear audio):
4 Hz–22 kHz (48 kHz sampling)
4 Hz–44 kHz (96 kHz sampling)
- DVD-Audio:
4 Hz–88 kHz (192 kHz sampling)
- CD audio: 4 Hz–20 kHz

(2) S/N ratio:
- CD audio: 115 dB

(3) Dynamic range:
- DVD (linear audio): 102 dB
- CD audio: 98 dB

(4) Total harmonic distortion:
- CD audio: 0.0025 %

Digital audio output:
Optical digital output: Optical terminal
Pickup:
Wave length: 658 nm/790 nm
Laser power:
For U.S.A. and Canada CLASS IIa/CLASS I
For others CLASS 2/CLASS 1
Power supply:
For U.S.A. and Canada AC 120 V, 60 Hz
For Australia and N.Z.
AC 220–240 V, 50 Hz
For Asia AC 220–240 V, 50/60 Hz
Power consumption: 15 W
Dimensions: 430 (W)×405 (D)×59.7 (H) mm
[$16^{15}/_{16}$″ (W)×$15^{31}/_{32}$″ (D)×$2^{11}/_{32}$″ (H)]
Mass: 4.1 kg (9.02 lb.)
Power consumption in standby mode:
For U.S.A. and Canada approx. 0.6 W
For others approx. 2.8 W

Note
Specifications are subject to change without notice. Mass and dimensions are approximate.
*DVD-F61 is not compatible with WMA, JPEG, or HighMAT. References to them apply only to DVD-F65.

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One Panasonic Way Secaucus,
New Jersey 07094
http://www.panasonic.com

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Puerto Rico 00985

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Mississauga, Ontario
L4W 2T3
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